

RAW SEQUENCE LISTING

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Application Serial Number: 10/523,295

Source: PCT

Date Processed by STIC: 2-77-05

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PCT

RAW SEQUENCE LISTING

DATE: 02/17/2005

PATENT APPLICATION: US/10/523,295

TIME: 11:32:21

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\02172005\J523295.raw

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5 <110> APPLICANT: Glaxo Group Limited
7     Ellis, Jonathan H
9     Germaschewski, Volker
13 <120> TITLE OF INVENTION: Antibodies
17 <130> FILE REFERENCE: SAL/PG4912
C--> 21 <140> CURRENT APPLICATION NUMBER: US/10/523,295
C--> 23 <141> CURRENT FILING DATE: 2005-02-03
26 <150> PRIOR APPLICATION NUMBER: PCT/EP03/08749
28 <151> PRIOR FILING DATE: 2003-07-17
32 <150> PRIOR APPLICATION NUMBER: GB 0218230.1
34 <151> PRIOR FILING DATE: 2002-08-06
38 <150> PRIOR APPLICATION NUMBER: GB 0218232.7
40 <151> PRIOR FILING DATE: 2002-08-06
44 <150> PRIOR APPLICATION NUMBER: GB 0218234.3
46 <151> PRIOR FILING DATE: 2002-08-06
50 <150> PRIOR APPLICATION NUMBER: GB 0218229.3
52 <151> PRIOR FILING DATE: 2002-08-06
56 <160> NUMBER OF SEQ ID NOS: 32
60 <170> SOFTWARE: PatentIn version 3.1
64 <210> SEQ ID NO: 1
66 <211> LENGTH: 17
68 <212> TYPE: PRT
70 <213> ORGANISM: Artificial sequence
74 <220> FEATURE:
76 <223> OTHER INFORMATION: Light chain CDR
78 <400> SEQUENCE: 1
80 Lys Ser Ser His Ser Val Leu Tyr Ser Ser Asn Gln Lys Asn Tyr Leu
81 1           5           10           15
84 Ala
88 <210> SEQ ID NO: 2
90 <211> LENGTH: 7
92 <212> TYPE: PRT
94 <213> ORGANISM: Artificial sequence
98 <220> FEATURE:
100 <223> OTHER INFORMATION: Light chain CDR
102 <400> SEQUENCE: 2
104 Trp Ala Ser Thr Arg Glu Ser
105 1           5
108 <210> SEQ ID NO: 3
110 <211> LENGTH: 8
112 <212> TYPE: PRT
114 <213> ORGANISM: Artificial sequence
118 <220> FEATURE:

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120 <223> OTHER INFORMATION: Light chain CDR
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124 His Gln Tyr Leu Ser Ser Leu Thr
125 1 5
128 <210> SEQ ID NO: 4
130 <211> LENGTH: 5
132 <212> TYPE: PRT
134 <213> ORGANISM: Artificial sequence
138 <220> FEATURE:
140 <223> OTHER INFORMATION: Heavy chain CDR
142 <400> SEQUENCE: 4
144 Asn Tyr Gly Met Asn
145 1 5
148 <210> SEQ ID NO: 5
150 <211> LENGTH: 17
152 <212> TYPE: PRT
154 <213> ORGANISM: Artificial sequence
158 <220> FEATURE:
160 <223> OTHER INFORMATION: Heavy chain CDR
162 <400> SEQUENCE: 5
164 Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr Tyr Ala Asp Asp Phe Thr
165 1 5 10 15
168 Gly
172 <210> SEQ ID NO: 6
174 <211> LENGTH: 17
176 <212> TYPE: PRT
178 <213> ORGANISM: Artificial sequence
182 <220> FEATURE:
184 <223> OTHER INFORMATION: Heavy chain CDR
186 <400> SEQUENCE: 6
188 Asn Pro Ile Asn Tyr Tyr Gly Ile Asn Tyr Glu Gly Tyr Val Met Asp
189 1 5 10 15
192 Tyr
196 <210> SEQ ID NO: 7
198 <211> LENGTH: 51
200 <212> TYPE: DNA
202 <213> ORGANISM: Artificial sequence
206 <220> FEATURE:
208 <223> OTHER INFORMATION: Polynucleotide encoding CDRL1
210 <400> SEQUENCE: 7
211 aagagcagcc acagcgtgct gtacagcagc aaccagaaga actacctggc c 51
214 <210> SEQ ID NO: 8
216 <211> LENGTH: 21
218 <212> TYPE: DNA
220 <213> ORGANISM: Artificial sequence
224 <220> FEATURE:
226 <223> OTHER INFORMATION: Polynucleotide encoding CDRL2
228 <400> SEQUENCE: 8
229 tgggccagca cccgcgagag c 21

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232 <210> SEQ ID NO: 9
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236 <212> TYPE: DNA
238 <213> ORGANISM: Artificial sequence
242 <220> FEATURE:
244 <223> OTHER INFORMATION: Polynucleotide encoding CDRL3
246 <400> SEQUENCE: 9
247 caccagtacc tgagcagcct gacc                                     24
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252 <211> LENGTH: 15
254 <212> TYPE: DNA
256 <213> ORGANISM: Artificial sequence
260 <220> FEATURE:
262 <223> OTHER INFORMATION: Polynucleotide encoding CDRH1
264 <400> SEQUENCE: 10
265 aactacggca tgaac                                             15
268 <210> SEQ ID NO: 11
270 <211> LENGTH: 51
272 <212> TYPE: DNA
274 <213> ORGANISM: Artificial sequence
278 <220> FEATURE:
280 <223> OTHER INFORMATION: Polynucleotide encoding CDRH2
282 <400> SEQUENCE: 11
283 tggatcaaca cctacaccgg cgagcccacc tacgccgacg acttcaccgg c    51
286 <210> SEQ ID NO: 12
288 <211> LENGTH: 51
290 <212> TYPE: DNA
292 <213> ORGANISM: Artificial sequence
296 <220> FEATURE:
298 <223> OTHER INFORMATION: Polynucleotide encoding CDRH3
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304 <210> SEQ ID NO: 13
306 <211> LENGTH: 126
308 <212> TYPE: PRT
310 <213> ORGANISM: Artificial sequence
314 <220> FEATURE:
316 <223> OTHER INFORMATION: Humanised antibody heavy chain variable region
318 <400> SEQUENCE: 13
320 Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
321 1           5           10          15
324 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
325           20           25           30
328 Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
329           35           40           45
332 Gly Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr Tyr Ala Asp Asp Phe
333           50           55           60
336 Thr Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Ser Thr Ala Tyr
337 65           70           75           80

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340 Leu Gln Ile Ser Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
341             85                      90                      95
344 Ala Arg Asn Pro Ile Asn Tyr Tyr Gly Ile Asn Tyr Glu Gly Tyr Val
345             100                      105                      110
348 Met Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
349             115                      120                      125
352 <210> SEQ ID NO: 14
354 <211> LENGTH: 126
356 <212> TYPE: PRT
358 <213> ORGANISM: Artificial sequence
362 <220> FEATURE:
364 <223> OTHER INFORMATION: Humanised antibody heavy chain variable region
366 <400> SEQUENCE: 14
368 Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
369 1             5                      10                      15
372 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
373             20                      25                      30
376 Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
377             35                      40                      45
380 Gly Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr Tyr Ala Asp Asp Phe
381             50                      55                      60
384 Thr Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Ser Thr Ala Tyr
385 65             70                      75                      80
388 Leu Gln Ile Ser Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Phe Cys
389             85                      90                      95
392 Ala Arg Asn Pro Ile Asn Tyr Tyr Gly Ile Asn Tyr Glu Gly Tyr Val
393             100                      105                      110
396 Met Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
397             115                      120                      125
400 <210> SEQ ID NO: 15
402 <211> LENGTH: 126
404 <212> TYPE: PRT
406 <213> ORGANISM: Artificial sequence
410 <220> FEATURE:
412 <223> OTHER INFORMATION: Humanised antibody heavy chain variable region
414 <400> SEQUENCE: 15
416 Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
417 1             5                      10                      15
420 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
421             20                      25                      30
424 Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
425             35                      40                      45
428 Gly Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr Tyr Ala Asp Asp Phe
429             50                      55                      60
432 Thr Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Ser Thr Ala Tyr
433 65             70                      75                      80
436 Leu Gln Ile Ser Ser Leu Lys Ala Glu Asp Thr Ala Thr Tyr Phe Cys
437             85                      90                      95
440 Ala Arg Asn Pro Ile Asn Tyr Tyr Gly Ile Asn Tyr Glu Gly Tyr Val

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441          100          105          110
444 Met Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
445          115          120          125
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450 <211> LENGTH: 115
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454 <213> ORGANISM: Artificial sequence
458 <220> FEATURE:
460 <223> OTHER INFORMATION: Humanised antibody light chain variable region
462 <400> SEQUENCE: 16
464 Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
465 1          5          10          15
468 Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser His Ser Val Leu Tyr Ser
469          20          25          30
472 Ser Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
473          35          40          45
476 Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
477          50          55          60
480 Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
481 65          70          75          80
484 Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys His Gln
485          85          90          95
488 Tyr Leu Ser Ser Leu Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
489          100          105          110
492 Arg Thr Val
493          115
496 <210> SEQ ID NO: 17
498 <211> LENGTH: 115
500 <212> TYPE: PRT
502 <213> ORGANISM: Artificial sequence
506 <220> FEATURE:
508 <223> OTHER INFORMATION: Humanised antibody light chain variable region
510 <400> SEQUENCE: 17
512 Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
513 1          5          10          15
516 Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser His Ser Val Leu Tyr Ser
517          20          25          30
520 Ser Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
521          35          40          45
524 Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
525          50          55          60
528 Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
529 65          70          75          80
532 Ile Ile Asn Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys His Gln
533          85          90          95
536 Tyr Leu Ser Ser Leu Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
537          100          105          110
540 Arg Thr Val
541          115

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VERIFICATION SUMMARY

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L:21 M:270 C: Current Application Number differs, Replaced Current Application Number

L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date